

WEST**Freeform Search**

Database:

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Term:

12 and 369/\$

Display:

10

Documents in Display Format:

CIT

Starting with Number

1

Generate: ☐ Hit List ☒ Hit Count ☐ Image

Search

Clear

Help

Logout

Interrupt

Main Menu

Show S Numbers

Edit S Numbers

Preferences

Search History

Today's Date: 12/10/2001

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	12 and 369/\$	14	<u>L4</u>
USPT	12 same position\$	11	<u>L3</u>
USPT	11 same (writ\$ or record\$)	71	<u>L2</u>
USPT	(dis\$2 or medium) same management same updat\$ same check\$	115	<u>L1</u>

WEST

Your wildcard search against 2000 terms has yielded the results below

Search for additional matches among the next 2000 terms

Generate Collection

Search Results - Record(s) 1 through 10 of 11 returned.

☐ 1. Document ID: US 6327673 B1

L3: Entry 1 of 11

File: USPT

Dec 4, 2001

US-PAT-NO: 6327673

DOCUMENT-IDENTIFIER: US 6327673 B1

TITLE: Storage unit subsystem

DATE-ISSUED: December 4, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamamoto; Akira	Sagamihara			JPX
Kitajima; Hiroyuki	Yokohama			JPX
Arai; Kouji	Yokohama			JPX
Kamo; Yoshihisa	Musashimurayama			JPX

US-CL-CURRENT: 714/6; 711/118

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 2. Document ID: US 6301587 B1

L3: Entry 2 of 11

File: USPT

Oct 9, 2001

US-PAT-NO: 6301587

DOCUMENT-IDENTIFIER: US 6301587 B1

TITLE: Method for creating and managing navigation information in a rewritable recording medium

DATE-ISSUED: October 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kim; Byung-Jin	Kyunggido			KRX
Seo; Kang-Soo	Kyunggido			KRX
Kang; Ki-Won	Seoul			KRX

US-CL-CURRENT: 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 3. Document ID: US 6209107 B1

L3: Entry 3 of 11

File: USPT

Mar 27, 2001

US-PAT-NO: 6209107

DOCUMENT-IDENTIFIER: US 6209107 B1

TITLE: Parity storage unit, in a disk array system, for generating updated parity data from received data records

DATE-ISSUED: March 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamamoto; Akira	Sagamihara			JPX
Tamiya; Toshihiko	Cupertino	CA		
Takamatsu; Hisashi	Odawara			JPX
Kurano; Akira	Odawara			JPX
Inomata; Hirofumi	Tokyo			JPX

US-CL-CURRENT: 714/6

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 4. Document ID: US 6145091 A

L3: Entry 4 of 11

File: USPT

Nov 7, 2000

US-PAT-NO: 6145091

DOCUMENT-IDENTIFIER: US 6145091 A

TITLE: Storage unit subsystem

DATE-ISSUED: November 7, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamamoto; Akira	Sagamihara			JPX
Kitajima; Hiroyuki	Yokohama			JPX
Arai; Kouji	Yokohama			JPX
Kamo; Yoshihisa	Musashimurayama			JPX

US-CL-CURRENT: 714/6; 711/113

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 5. Document ID: US 6032263 A

L3: Entry 5 of 11

File: USPT

Feb 29, 2000

US-PAT-NO: 6032263
DOCUMENT-IDENTIFIER: US 6032263 A

TITLE: Parity storage unit, in a disk array system, for generating updated parity data from received data records

DATE-ISSUED: February 29, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamamoto; Akira	Sagamihara			JPX
Tamiya; Toshihiko	Cupertino	CA		
Takamatsu; Hisashi	Odawara			JPX
Kurano; Akira	Odawara			JPX
Inomata; Hirofumi	Tokyo			JPX

US-CL-CURRENT: 714/6

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 6. Document ID: US 5917999 A

L3: Entry 6 of 11

File: USPT

Jun 29, 1999

US-PAT-NO: 5917999
DOCUMENT-IDENTIFIER: US 5917999 A

TITLE: Storage unit subsystem

DATE-ISSUED: June 29, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamamoto; Akira	Sagamihara			JPX
Kitajima; Hiroyuki	Yokohama			JPX
Arai; Kouji	Yokohama			JPX
Kamo; Yoshihisa	Musashimurayama			JPX

US-CL-CURRENT: 714/6; 714/805

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 7. Document ID: US 5826002 A

L3: Entry 7 of 11

File: USPT

Oct 20, 1998

US-PAT-NO: 5826002
DOCUMENT-IDENTIFIER: US 5826002 A

TITLE: Parity storage unit, in a disk array system for generating updated parity data from received data records

DATE-ISSUED: October 20, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamamoto; Akira	Sagamihara			JPX
Tamiya; Toshihiko	Cupertino	CA		
Takamatsu; Hisashi	Odawara			JPX
Kurano; Akira	Odawara			JPX
Inomata; Hirofumi	Tokyo			JPX

US-CL-CURRENT: 714/6; 714/766, 714/805

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KVMC	Draw Desc	Image
------	-----------	-------

☐ 8. Document ID: US 5734812 A

L3: Entry 8 of 11

File: USPT

Mar 31, 1998

US-PAT-NO: 5734812
DOCUMENT-IDENTIFIER: US 5734812 A

TITLE: Storage unit with parity generation function and storage systems using storage unit with parity generation analyzation

DATE-ISSUED: March 31, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamamoto; Akira	Sagamihara			JPX
Tamiya; Toshihiko	Hadano			JPX
Takamatsu; Hisashi	Odawara			JPX
Kurano; Akira	Odawara			JPX
Inomata; Hirofumi	Tokyo			JPX

US-CL-CURRENT: 714/6; 714/29, 714/805

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KVMC	Draw Desc	Image
------	-----------	-------

☐ 9. Document ID: US 5682396 A

L3: Entry 9 of 11

File: USPT

Oct 28, 1997

US-PAT-NO: 5682396
DOCUMENT-IDENTIFIER: US 5682396 A

TITLE: Control unit in storage subsystem with improvement of redundant data updating

DATE-ISSUED: October 28, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamamoto; Akira	Sagamihara			JPX
Kitajima; Hiroyuki	Yokohama			JPX
Arai; Kouji	Yokohama			JPX
Kamo; Yoshihisa	Musashimurayama			JPX

US-CL-CURRENT: 714/805; 714/6

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 10. Document ID: US 5611069 A

L3: Entry 10 of 11

File: USPT

Mar 11, 1997

US-PAT-NO: 5611069
DOCUMENT-IDENTIFIER: US 5611069 A

TITLE: Disk array apparatus which predicts errors using mirror disks that can be accessed in parallel

DATE-ISSUED: March 11, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Matoba; Tatsuo	Kawasaki-shi			JPX

US-CL-CURRENT: 711/114; 711/161, 711/162, 714/2, 714/6

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KWIC	Draw Desc	Image
------	-----------	-------

Generate Collection

Terms	Documents
l2 same position\$	11

Display

10

Documents, starting with Document:

11

Display Format:

CIT

Change Format

WEST

Your wildcard search against 2000 terms has yielded the results below

Search for additional matches among the next 2000 terms

Generate Collection

Search Results - Record(s) 11 through 11 of 11 returned.

☐ 11. Document ID: US 4835757 A

L3: Entry 11 of 11

File: USPT

May 30, 1989

US-PAT-NO: 4835757

DOCUMENT-IDENTIFIER: US 4835757 A

TITLE: System for recording information onto disk medium

DATE-ISSUED: May 30, 1989

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Abiko; Takashi

Kawasaki

JPX

US-CL-CURRENT: 369/53.17; 360/53, 369/30.03, 369/30.07, 369/53.24

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KWIC	Draw Desc	Image
------	-----------	-------

Generate Collection

Terms	Documents
12 same position\$	11

Display

10

Documents, starting with Document:

11

Display Format:

CIT

Change Format

WEST

Generate Collection

Search Results - Record(s) 1 through 10 of 14 returned.☐ 1. Document ID: US 6301587 B1

L4: Entry 1 of 14

File: USPT

Oct 9, 2001

US-PAT-NO: 6301587

DOCUMENT-IDENTIFIER: US 6301587 B1

TITLE: Method for creating and managing navigation information in a rewritable recording medium

DATE-ISSUED: October 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kim; Byung-Jin	Kyunggido			KRX
Seo; Kang-Soo	Kyunggido			KRX
Kang; Ki-Won	Seoul			KRX

US-CL-CURRENT: 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 2. Document ID: US 6115331 A

L4: Entry 2 of 14

File: USPT

Sep 5, 2000

US-PAT-NO: 6115331

DOCUMENT-IDENTIFIER: US 6115331 A

TITLE: Optical disk library apparatus of desk-top type

DATE-ISSUED: September 5, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Inoue; Kazuhiko	Kawasaki			JPX
Kubota; Satoshi	Kawasaki			JPX

US-CL-CURRENT: 369/30.34

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KWIC	Draw Desc	Image
------	-----------	-------

☒ 3. Document ID: US 6094723 A

L4: Entry 3 of 14

File: USPT

Jul 25, 2000

US-PAT-NO: 6094723

DOCUMENT-IDENTIFIER: US 6094723 A

TITLE: Copy protection system for recording media

DATE-ISSUED: July 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Otsuka; Satoshi	Kanagawa			JPX

US-CL-CURRENT: 713/200; 360/60, 369/44.33

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KVMC	Draw Desc	Image
------	-----------	-------

☐ 4. Document ID: US 6094693 A

L4: Entry 4 of 14

File: USPT

Jul 25, 2000

US-PAT-NO: 6094693

DOCUMENT-IDENTIFIER: US 6094693 A

TITLE: Information recording apparatus using erasure units

DATE-ISSUED: July 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Haneda; Naoya	Kanagawa			JPX

US-CL-CURRENT: 710/36; 711/100

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KVMC	Draw Desc	Image
------	-----------	-------

☐ 5. Document ID: US 5937427 A

L4: Entry 5 of 14

File: USPT

Aug 10, 1999

US-PAT-NO: 5937427

DOCUMENT-IDENTIFIER: US 5937427 A

TITLE: Information recording apparatus and method capable of efficient erase, write and verify processes

DATE-ISSUED: August 10, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shinagawa; Tatsuo	Yokohama			JPX
Ogasawara; Yutaka	Yokohama			JPX

US-CL-CURRENT: 711/113; 711/138, 711/154, 711/167

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KVMC	Draw Desc	Image
------	-----------	-------

☐ 6. Document ID: US 5848229 A

L4: Entry 6 of 14

File: USPT

Dec 8, 1998

US-PAT-NO: 5848229

DOCUMENT-IDENTIFIER: US 5848229 A

TITLE: Fault tolerant disk array system for allocating auxillary disks in place of faulty disks

DATE-ISSUED: December 8, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morita; Hirofumi	Kawasaki			JPX

US-CL-CURRENT: 714/7; 710/240, 711/114

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KWIC	Draw Desc	Image
------	-----------	-------

☒ 7. Document ID: US 5793714 A

L4: Entry 7 of 14

File: USPT

Aug 11, 1998

US-PAT-NO: 5793714

DOCUMENT-IDENTIFIER: US 5793714 A

TITLE: Optical disk library apparatus of desk-top type

DATE-ISSUED: August 11, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Inoue; Kazuhiko	Kawasaki			JPX
Kubota; Satoshi	Kawasaki			JPX

US-CL-CURRENT: 369/30.34; 369/30.38, 369/30.46

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 8. Document ID: US 5696933 A

L4: Entry 8 of 14

File: USPT

Dec 9, 1997

US-PAT-NO: 5696933
DOCUMENT-IDENTIFIER: US 5696933 A

TITLE: Apparatus for controlling data writing into a disk array system including a data length detecting unit and a writing mode selector

DATE-ISSUED: December 9, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Itoh; Mikio	Kawasaki			JPX
Suganuma; Tomoyuki	Kawasaki			JPX
Takeda; Suijin	Kawasaki			JPX
Morita; Hirofumi	Kawasaki			JPX

US-CL-CURRENT: 711/114; 711/155

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KVMC	Draw Desc	Image
------	-----------	-------

☐ 9. Document ID: US 5666511 A

L4: Entry 9 of 14

File: USPT

Sep 9, 1997

US-PAT-NO: 5666511
DOCUMENT-IDENTIFIER: US 5666511 A

TITLE: Deadlock suppressing schemes in a raid system

DATE-ISSUED: September 9, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Suganuma; Tomoyuki	Kawasaki			JPX
Takeda; Suijin	Kawasaki			JPX

US-CL-CURRENT: 711/114; 711/152

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KVMC	Draw Desc	Image
------	-----------	-------

☐ 10. Document ID: US 5584018 A

L4: Entry 10 of 14

File: USPT

Dec 10, 1996

US-PAT-NO: 5584018
DOCUMENT-IDENTIFIER: US 5584018 A

TITLE: Information memory apparatus having a plurality of disk drives and calculating and re-allocating data according to access frequency

DATE-ISSUED: December 10, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kamiyama; Tadanobu	Yokosuka			JPX

US-CL-CURRENT: 711/165; 711/112, 711/114, 711/121, 711/161

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KWC	Draw Desc	Image
-----	-----------	-------

Generate Collection

Terms	Documents
12 and 369/\$	14

Display

10

Documents, starting with Document:

11

Display Format:

CIT

Change Format

WEST[Generate Collection](#)

Search Results - Record(s) 11 through 14 of 14 returned.

☐ 11. Document ID: US 5561815 A

L4: Entry 11 of 14

File: USPT

Oct 1, 1996

US-PAT-NO: 5561815

DOCUMENT-IDENTIFIER: US 5561815 A

TITLE: System and method for control of coexisting code and image data in memory

DATE-ISSUED: October 1, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takata; Yutaka	Kanagawa-ken			JPX
Okami; Yoshinori	Odawara			JPX
Takahashi; Naoya	Yokohama			JPX
Kashiwazaki; Haruka	Yokohama			JPX

US-CL-CURRENT: 710/13; 369/30.07, 710/8, 711/112, 711/4[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#)[KWC](#) [Draw Desc](#) [Image](#)☐ 12. Document ID: US 5475820 A

L4: Entry 12 of 14

File: USPT

Dec 12, 1995

US-PAT-NO: 5475820

DOCUMENT-IDENTIFIER: US 5475820 A

TITLE: Method for using one of two storage directories only after the other directory is full for write management in a disk device

DATE-ISSUED: December 12, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Natraseschi; Alfred	Ft. Collins	CO		
Culp; Bradfred W.	Greeley	CO		
Saldanha; Kevin S.	Ft. Collins	CO		
Piepho; Allen J.	Ft. Collins	CO		
Loseke; Terry L.	Loveland	CO		

US-CL-CURRENT: 711/100; 711/170, 711/173[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#)[KWC](#) [Draw Desc](#) [Image](#)

☒ 13. Document ID: US 4835757 A

L4: Entry 13 of 14

File: USPT

May 30, 1989

US-PAT-NO: 4835757

DOCUMENT-IDENTIFIER: US 4835757 A

TITLE: System for recording information onto disk medium

DATE-ISSUED: May 30, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Abiko; Takashi	Kawasaki			JPX

US-CL-CURRENT: 369/53.17; 360/53, 369/30.03, 369/30.07, 369/53.24

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KVMC	Draw Desc	Image
------	-----------	-------

☒ 14. Document ID: US 4833665 A

L4: Entry 14 of 14

File: USPT

May 23, 1989

US-PAT-NO: 4833665

DOCUMENT-IDENTIFIER: US 4833665 A

TITLE: Information recording control system reusing a defective area

DATE-ISSUED: May 23, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tokumitsu; Kenji	Odawara			JPX
Doi; Takashi	Hadano			JPX
Miyazaki; Michio	Odawara			JPX
Yamane; Yuji	Odawara			JPX
Izawa; Nobuyoshi	Tokyo			JPX
Takeda; Toru	Kodaira			JPX

US-CL-CURRENT: 369/53.17; 360/31, 360/53, 369/53.36

Full	Title	Citation	Front	Review	Classification	Date	Reference
------	-------	----------	-------	--------	----------------	------	-----------

KVMC	Draw Desc	Image
------	-----------	-------

[Generate Collection](#)

Terms

12 and 369/\$

Documents

14

[Display](#)[10](#)

Documents, starting with Document:

[14](#)